

AMENDMENTS TO THE ABSTRACT

Please replace the Abstract with the following paragraph:

The invention relates to an apparatus and to a method for extracting elements from a gaseous medium and concentrating them in a liquid medium, by nebulizing this liquid medium by means of the gaseous medium and condensing the mist produced by this nebulization. This apparatus comprises a first enclosure for nebulization and condensation, intended to contain the liquid medium, which is provided with a conduit for delivering the gaseous medium, means for nebulizing the liquid medium, and a conduit for discharging the gaseous medium, means for depressurizing or pressurizing the interior of the first enclosure, and is characterized in that it comprises a second enclosure for condensation and means for cooling this second enclosure.